

**ABSTRACT OF THE DISCLOSURE**

A small computer system interface (SCSI) system and methods of configuring/operating the SCSI system without cables. The SCSI system includes a system board, a backplane, and a cableless element configured to couple the system board to the backplane. The system board comprises an embedded SCSI controller configured to provide cableless control in each of a simplex mode of operation and a duplex mode of operation. The backplane comprises a plurality of connectors configured to couple SCSI devices to the backplane. The cableless element is configured to facilitate the exchange of control signals and power signals between the system board and the backplane in each of the simplex mode of operation and the duplex mode of operation, thereby providing a cableless embedded simplex/duplex SCSI system.